

FIGURE 1

Human JAM-1: 299 amino acids.

MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSP
RVEWKFDQGDTRLVCYNNKITASYEDRVTLPTGITFKSVTREDTGTYTCMVS
EEGGNSYGEVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPSEYTW
KDGIVMPTNPKSTRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPM
TSNAVRMEAVERNGVIVA AVLVTLLLGILVFGIWFAYSRGHFDRTKKGTSSKKVI
YSQPSARSEGEFKQTSSFLV (SEQ ID NO: 887)

FIGURE 2

Human JAM-2: 310 amino acids.

MALRRPPRLRLCARLPDFFLLLLFRGCLIGAVNLKSSNRTPVVOEFESVELSCIITDS
QTSDPRIEWKKIQDEQTTYVFFDNKIQGDLAGRAEILGKTSSLKIWNVTRRDSAL
YRCEVVARNDRKEIDEIVIELTVQVKPVPVPCRVPKAVPVGKMATLHCOESEGH
PRPHYSWYRNDVPLPTDSRANPRFRNSSFHLNSETGTLVFTAVHKDDSGQYYCI
ASNDAGSARCEEQEMEVYDLNIGGGIIGGVLVVLAVLALITLGICCA YRRGYFINNKQ
DGESYKNPGKPDGVNYIRTDEEGDFRHKSSFVI (SEQ ID NO: 888)

FIGURE 3

Human JAM-3: 298 amino acids.

MARRSRHRLLLLLLRYLVVALGYHKAYGFSAPKDOQVVTAVEYQEAILACKTPK
KTVSSRLEWKKLGRSVSFVYYQOTLQGDFKNRAEMIDFNIRIKNVTRSDAGKYR
CEVSAPSEQGONLEEDTVTLEVLVAPAVPSCEVPSSALSGTVVELRCODKEGNP
APEYTWFKDGIRLLENPRLGSQSTNSSYTMNTKTGTLOFNTVSKLDTGEYSCEA
RNSVGYRRCPGKRMQVDDLNISGIIAAVVVVVALVISVCGLGV CYAQRKGYFSKETS
FQKSNSSSKATTMSENDFKHTKSFI (SEQ ID NO: 889)

FIGURE 4

Human Claudin-1: XM_003151 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 211 amino acids

MANAGLQLLGFILAF LGWIGAIVSTALPQWRIYSYAGDNIVTAQAMYEGLWMSCV
SQSTGOIQCKVFDSLNLSSTLOATRALMVVGILLGVIAIFVATVGMKCMKCLEDD
EVQKMRMAVIGGAIFLLAGLAILVATAWYGNRIVQEFYDPMTPVNARYEFGQALF
TGWAAASLCLLGGALLCCSCPRKTTSYTPRYPKPAPSSGKDYV (SEQ ID NO: 890)

FIGURE 5

Human Claudin-2: XM_010309 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 230 amino acids
 MASLGLQLVG YILGLLGLLGTLVAMLLPSWKTSSYVGASIVTAVGFSKGLWMECA
THSTGITOCDIYSTLLGLPADIOAAQAMMVTSSAIISSLACIISVVGMRCTVFCQESR
 AKDRVAVAGGVFFILGLLGFIPVAWNHGHILRDFYSPLVPDSMKFEIGEALYLGIIIS
 SLFSLIAGIILCFSCSSQRNRSNYYDAYQAQPLATRSSPRPGQPPKVKSEFNYSYSLTGY
 V (SEQ ID NO: 891)

FIGURE 6

Human Claudin-3: XM_057967 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 220 amino acids
 MSMGLEITGTALAVLGWLGTIVCCALPMWRVSAFIGSNIITSONIWEGLWMNCVV
OSTGQMOCKVYDSLLALPODLQAARALIVVAILLAAGLLVALVGAQCTNCVQD
 DTAKAKITIVAGVLFLLAALLTLVPVSWSANIIRDFYNPVPVPEAOKREMGAGLYV
 GWAAAALQLLGGALLCCSCPPREKKYTATKVVYSAPRSTGPGASLGTGYDRKD YV
 (SEQ ID NO: 892)

FIGURE 7

Human Claudin-4: XM_057966 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 209 amino acids
 MASMGLQVMGIALAVLGWLAVMLCCALPMWRVTAFIGSNIIVTSQTIWEGLWMN
CVVOSTGQMOCKVYDSLLALPODLQAARALVIISIIVAALGVLLSVVGGKCTNCLE
 DESAKAKTMIVAGVVFLLAGLMVIVPVSWTAHNIIODFYNPLVASGOKREMGASL
 YVGWAASGLLLLGGGLCCNCPPRTDKPYSAKYSAAARSAAASNYV (SEQ ID NO:
 893)

FIGURE 8

Human Claudin-5: XP_009839 218 amino acids
 MGSAALEILGLVLCLVGWGGILACGLPMWQVTAFLDHNIVTAQTTWKGLWMS
CVVOSTGHMOCKVYDSVLALSTEVOAARALTVS AVLLAFVALFVTLAGAQCCTTC
 VAPGPAKARVALTGGVLYLFCGLLALVPLCWFANIVVREFYDPSVPVSQKYELGAA
 LYIGWAATALLMVGGCLCCGAWVCTGRPDLSFPVKYSAPRRPTATGDYDKKNYV
 (SEQ ID NO: 894)

FIGURE 9

Human Claudin 6: XM_012518 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 220 amino acids
 MASAGMQILGVVLTLLGWVNGLVSCALPMWKVTAFIGNSIVVAQVVWEGLWMS
CVVQSTGQMOCKVYDSLLALPODLQAARALCVIALLVALFGLLVYLAGAKCTTC
 VEEKDSKARLVLTSGIVFVISGVLTLPVCWTAHAVIRDFYNPLVAEAQKRELGASL
 YLGWAASGLLLLGGGLLCCTCPSGGSQGPSHYMARYSTSAPAISRGPSYPTKNYV
 (SEQ ID NO: 895)

FIGURE 10

Human Claudin-7: O95471....[gi:6685282] 211 amino acids
 MANSGLQLLGFSMALLGWVGLVACTAIPQWQMSSYAGDNIITAQAMYKGLWMD
CVTQSTGMMSCCKMYDSVLALSAALQATRALMVVSLVLGFLAMFVATMGMKCTR
 CGGDDKVKKARIAMGGGIIFIVAGLAALVACSWYGHQIVTDFYNPLIPTNIKYEFGP
 AIFIGWAGSALVILGGALLSCSCPGNESKAGYRAPRSYPKSNSKEYV (SEQ ID NO:
 896)

FIGURE 11

Human Claudin-8: XM_009721 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 225 amino acids
 MATHALEIAGLFLGGVGMVGTVAVTVMPPQWRVSAFIENNIVVFENFWEGWLWMN
CVRQANIRMOCKIYDSLLALSPDLQAARGLMCAASVMSFLAFMMAILGMKCTRC
 TGDNEKVKAHILLTAGIIFIITGMVVLIPVSVVANAIIRDFYNSIVNVAQKRELGEAL
 YLGWTTALVLIVGGALFCCVFCNEKSSSYRYSIPSHRTTQKSYHTGKKSPSVYSRSQ
 YV (SEQ ID NO: 897)

FIGURE 12

Human Claudin-9: NP_066192 217 amino acids
 MASTGLELLGMTLAVLGWLGTLVSCALPLWKVTAFIGNSIVVAQVVWEGLWMSC
VVQSTGQMOCKVYDSLLALPODLQAARALCVIALLLALLGLLVAITGAQCTTCVE
 DEGAARIVLTAGVILLLAGILVLIPVCWTAHAIIQDFYNPLVAEALKRELGASLYL
 GWAAAALLMLGGGLLCCTCPPPQVERPRGPRLGYSIPSRSGASGLDKRDYV (SEQ ID
 NO: 898)

FIGURE 13

Human Claudin-10: XM 007076 228 amino acids

MASTASEIIAFMVSISGWVLVSSTLPTDYWKVSTIDGTVITTATYWANLWKACVTD
STGVSNCKDFPSMLALDGYIQACRGLMIAAVSLGFFGSIFALFGMKCTKVGGSDKA
KAKIACLAGIVFILSGLCSMTGCSLYANKITTEFFDPLFVEQKYELGAALFIGWAGAS
LCIIGGVIFCFSISDNNKTPRYTYNGATSVMSRRTKYHGGEDFKTTNPSKQFDKNAYV
(SEQ ID NO: 899)

FIGURE 14

Human Occludin: U49184; 522 amino acids.

MSSRPLESPPPYRPDEFKPNHYAPSNDIYGGEMHVRPMLSQPAYSFYYPEDEILHFYKW
TSPPGVIRILSMLIIVMCIAIFACVASTLAWDRGYGTSLLGGSVGYGYGGSGFGSYG
SGYGYGYGYGYGYGGYTDPRAAKGFMLAMAAFCFIAALVIFVTSVIRSEMSRTRR
YYLSVIIVSAILGIMVFIATIVYIMGVNPTAOSSGSLYGSQIYALCNOFYTPAATGLY
VDQYLYHYCVVDPOEAIAIVLGFMIIVAFALIIFFAVKTRRKMDRYDKSNILWDKEH
IYDEQPPNVEEWVKNVSAGTQDVSPSPSDYVERVDSPMAYSSNGKVNDKRFYPES
YKSTPVPEVVQELPLTSPVDDFRQPRYSSGGNFETPSKRAPAKGRAGRSKRTEQDHY
ETDYTTGGESCDLEEDWIREYPPITSDQQRQLYKRNFDGLQEYKSLQSELDEINKE
LSRLDKELDDYREESEEYMAAADEYNRLKQVKGSADYKSKKNHCKQLKSKLSHIK
KMGVDYDRQKT (SEQ ID NO: 900)